

WHAT IS CLAIMED IS:

1. A fiber optic transceiver module, comprising:  
a block including an optical waveguide including a branch having a blind end and a concave guide into which an optical fiber is inserted and provided to at least one end of the optical waveguide; and  
an optical element with a light emitting or receiving surface attached to the block,  
the optical element being a light emitting device or a light receiving device,  
the light emitting or receiving surface being disposed so as to face the other end of the optical waveguide.
2. The fiber optic transceiver module according to claim 1, the optical element being employed in a tile-like element.
3. The fiber optic transceiver module according to claim 1, the optical element being flip-chip mounted on the block.
4. The fiber optic transceiver module according to claim 1, the optical element being an optical fiber.
5. The fiber optic transceiver module according to claim 1, the optical element being a surface emitting laser.
6. The fiber optic transceiver module according to claim 1, the optical waveguide including a main path extending to the guide from the light emitting device and the branch, the branch being connected to the main path and aligned at an angle of ninety (90) degrees and below with respect to a light source side of the main path.
7. The fiber optic transceiver module according to claim 6, the branch being connected to the main path at an angle of forty five (45) degrees and below with respect to the path positioned at the light source side of the main path.
8. The fiber optic transceiver module according to claim 6, the branch being provided with two or more paths.
9. The fiber optic transceiver module according to claim 1, the blind end of the branch being configured so as to attenuate or absorb light entering the blind end.
10. The fiber optic transceiver module according to claim 1, the blind end of the branch being tapered at the edge of the blind end.
11. The fiber optic transceiver module according to claim 1, the blind end of the branch including an optical absorber at the edge of the blind end.

12. The fiber optic transceiver module according to claim 1, the blind end of the branch including an optical light scattering member at the edge of the blind end.

13. The fiber optic transceiver module according to claim 1,  
the optical waveguide including a plurality of main forked paths each having one end exposed at a side of the block, and  
the light emitting device including a plurality of light emitting devices, each of the plurality of the light emitting devices being allocated to the side of the block so as to face each of the end of the forked main paths correspondingly, each of the plurality of the light emitting devices emitting light having different wavelength from each other.

14. The fiber optic transceiver module according to claim 1, the light receiving device being allocated to at least one of the blind end of the optical waveguide.

15. The fiber optic transceiver module according to claim 1, the optical waveguide including a light receiving path extended to the guide from a side of the block in a shape of substantially a straight line, the light receiving device being allocated to a side of the block so as to face an end of the receiving path.

16. The fiber optic transceiver module according to claim 1, the light receiving device being a photodiode.

17. Electronic equipment, comprising:  
the fiber optic transceiver module according to claim 1.